



- NOTES:
1. THIS DRAWING IS BASED UPON DWG. 114E073, SHEET 2 OF 5, REVISION 16 (BASE DRAWING) OF WESTINGHOUSE ELECTRIC CORPORATION NUCLEAR ENERGY SYSTEMS, PITTSBURGH, PA. WHO IS SOLELY RESPONSIBLE FOR THE ACCURACY OF THE RELIABILITY OF THE DESIGN INFORMATION SET FORTH IN THE BASE DWG.
 2. FOR ALPHA REFERENCES, SEE DWG. E-302-082, FLOW DIAGRAM LEGEND.
 3. VALVE FAILS WITH FLOW TO VOLUME CONTROL TANK.
 4. FOR CONTINUATION, SEE DWG. D-302-823.
 5. FOR CONVENTIONAL PIPING SPECIFICATIONS, SEE (A) SPECIFICATION SP-329-4481 (NO. PAGE 29), WESTINGHOUSE PIPE CLASS CONVERSION TO ENGINEER'S PIPE LINE SPECIFICATION.
 6. SYSTEMS AND COMPONENTS MARKED AS OR HAVE BEEN DECLASSIFIED TO QUALITY RELATED AS COVERED BY GMP-1.
 7. VALVE IS "FAILED OPEN" AND CANNOT CHANGE POSITION WITHOUT A SOURCE OF AIR.

HYDROTEST TEMP. 40°F (MIN)

23	250	117	300	160	CI%	290
22	250	115	150	250	CI%	100
8	105	115	115	250	CI%	145
7	90	117	300	290	CI%	290
6	250	117	300	250	CI%	290
5	356	140	600	382	CI%	750
4	290	301	600	382	CI%	750
PSIG	°F	PSIG	°F			
	NORMAL	UPSET				

DESIGN DATA

THIS IS A NUCLEAR SAFETY RELATED DOCUMENT. NO ALTERATION SHALL BE MADE OR PERFORMED WITHOUT PRIOR DOCUMENTATION AND WRITTEN APPROVAL.

PLEX Drawing TR00160-002

FSAR Figure 9.3-16 SH. 2

SOUTH OCEAN INM ELECTRIC & GAS COMPANY

VERIGIL C. SUMNER NUCLEAR STATION

PIPING SYSTEM FLOW DIAGRAM

CHEMICAL AND VOLUME CONTROL

DESIGN ENGINEERING

NO.	DATE	BY	REVISION	CHK BY	APPROVAL
10	12/20/01	JIS	REVISED PER CPCS-20474	RHM	LRC
9	04/09/01	TGB	REVISED PER ECR-50322	LEX	MGR
8	04/09/01	JMR	REVISED PER CPCS-97-0569	ACI	RHM
7	12/20/00	DMW	REVISED PER MFP-21511	MGR	JMG
6	09/01/00	ACI	REVISED PER CGSS-23322-DE	RHM	ROB
5				LE	

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